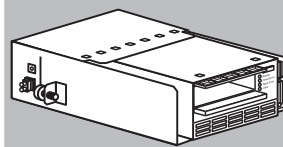


HP StorageWorks

EML E-Series Drive Module Installation



Caution: Parts can be damaged by electrostatic discharge. Keep parts in their containers until needed. Ensure that you are properly grounded when touching static sensitive components.

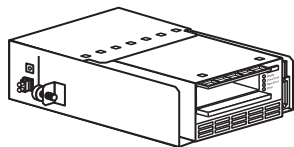
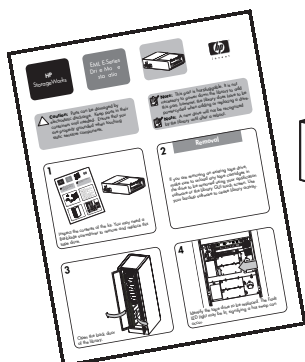


Note: This part is not hot-pluggable. It is necessary to power down the library to replace this part.



Note: An animation of the removal process can be found on the documentation CD shipped with the tape library.

1



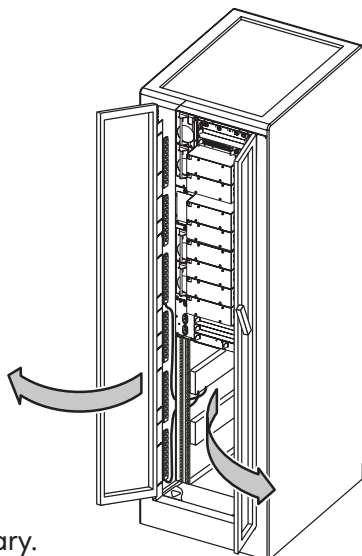
Inspect the contents of the kit. You may need a flat-blade screwdriver to remove and replace this tape drive.

2

Removal

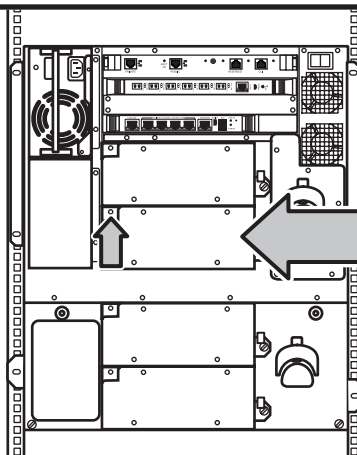
If you are removing an existing tape drive, make sure to unload any tape cartridges in the drive to be removed using your application software or the library GUI touch screen. Use your backup software to cease library activity.

3



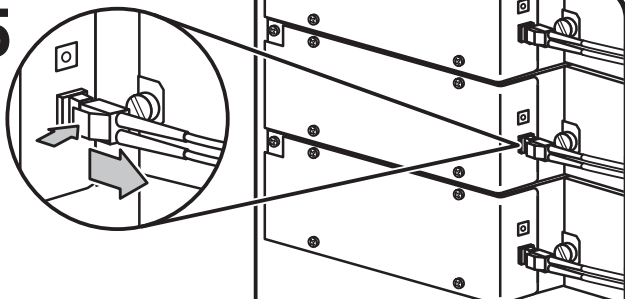
Open the back doors of the library.

4



Identify the tape drive to be replaced. The Fault LED light may be lit, signifying a hot swap can occur.

5

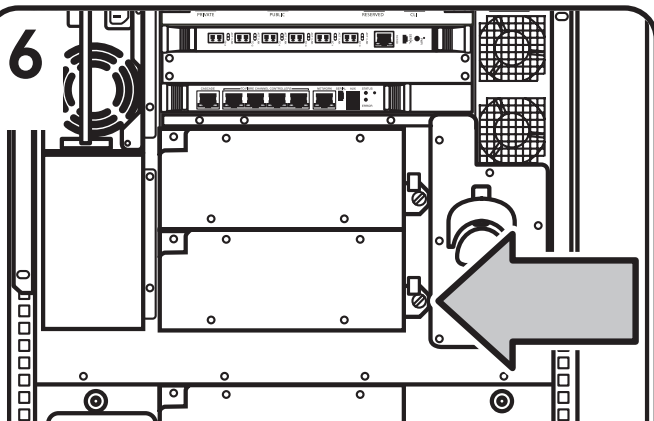


Disconnect the FC cable from the drive to be replaced by pressing down on the cable connector tab and pulling the connector away from the drive.



Caution: To avoid damaging FC cables, do not pinch or sharply bend the cables tighter than a 5 centimeter (2-inch) diameter.

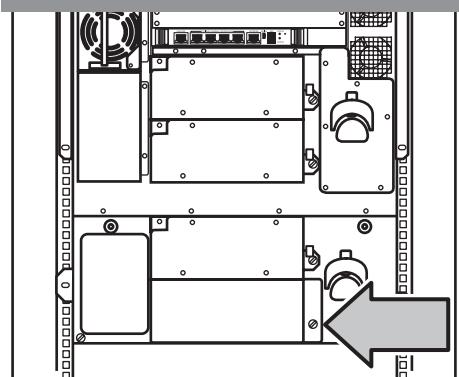
6



If necessary, use a flat-blade screwdriver to loosen the captive screw at the right side of the drive module. Grasp the drive and pull the drive from the drive bay.

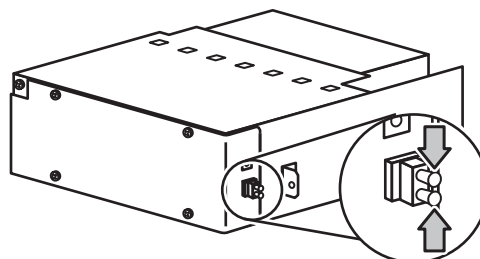
7

Installation



To install a new drive, locate a vacant drive bay. Remove the face plate covering the drive bay by removing the screw holding it in place.

8

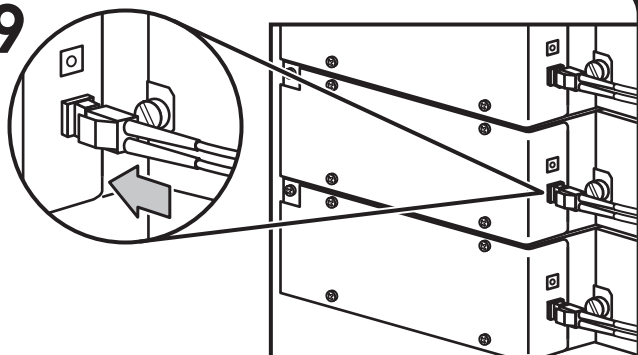


Remove the end cap from the FC connector on each new tape drive to be installed. Insert the new drive module into the vacant drive bay and tighten the captive screw to secure the drive to the chassis.



Note: Replacing an existing tape drive does not require power-cycling the library, however, adding a new tape drive does require power-cycling the library.

9

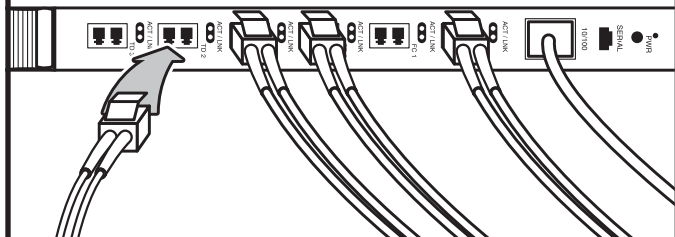


Connect an FC cable to the FC connector on the new drive. The FC cable should click into place.



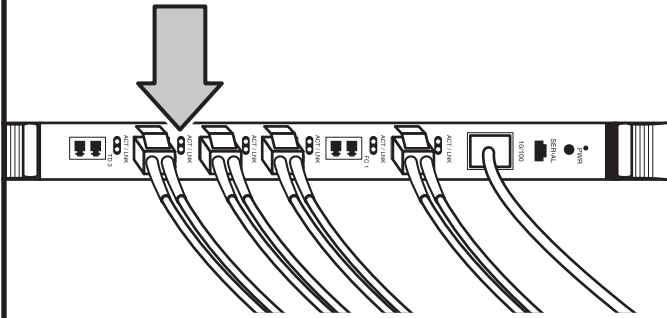
Caution: To avoid damaging FC cables, do not pinch or sharply bend the cables tighter than a 5 centimeter (2-inch) diameter.

10



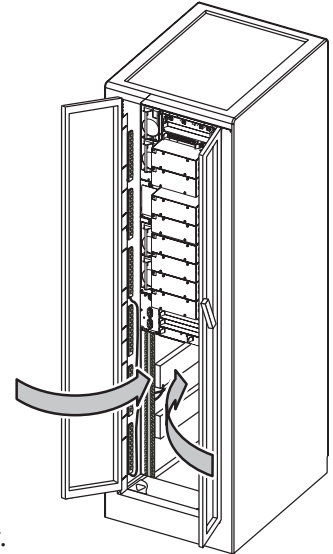
Connect the other end of the FC cable to its corresponding port on the interface controller card. Attach a label to each end of the cable to mark the port designations. Complete this cabling process for all drives.

11



Verify that the FC port LED on the interface controller card is solid green.

12



Close the back doors of the library.

13

If necessary, upgrade the drive firmware using the Interface Manager's Command Line Interface. See the *HP StorageWorks Interface Manager and Command View TL User's Guide* for detailed procedures on upgrading drive firmware.



Note: A new drive will not be recognized by the library until after a reboot.

Getting help

- HP product information:
<http://www.hp.com/products/tapestorage>
- HP technical support and phone numbers:
<http://www.hp.com/support>
- HP StorageWorks Library and Tape Tools (L&TT) diagnostic software:
<http://www.hp.com/support/tapetools>
- Interface Manager and HP StorageWorks Command View TL:
<http://www.hp.com/support/cvtil>

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First Edition (April 2005)
Part Number: AD560-96013



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